

ABSTRACT

An optical multilayer film comprising a hard coat layer and a low refractive index layer comprising aerogel, which layers are laminated, in this order, directly or with another intervening layer on one surface of a base film comprising a transparent resin, wherein the refractive index n_H of the hard coat layer and the refractive index n_L of the low refractive index layer satisfy the following three formulae (1), (2) and (3),

$$\text{Formula (1)} : n_L \leq 1.37$$

$$\text{Formula (2)} : n_H \geq 1.53$$

$$\text{Formula (3)} : (n_H)^{1/2} - 0.2 < n_L < (n_H)^{1/2} + 0.2.$$